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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/823,075	04/12/2004	Olivier Golibrodski	5974-155	3982
27383 7590 06/19/2007 CLIFFORD CHANCE US LLP 31 WEST 52ND STREET NEW YORK, NY 10019-6131			EXAMINER SAX, STEVEN PAUL	
			ART UNIT 2174	PAPER NUMBER
			MAIL DATE 06/19/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/823,075	GOLIBRODSKI ET AL.	
	Examiner	Art Unit	
	Steven P. Sax	2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 March 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 5-12, 16-19, 21-23, 26-30 and 42-44 is/are pending in the application.
- 4a) Of the above claim(s) 5-12, 16-19 and 21 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 22, 23, 26-30 and 42-44 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This application has been examined. Applicant's amendment filed 3/19/07 has been entered. Claims 1-4, 13-15, 2-, 24-25 have been cancelled.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 22-23, 26-27 are rejected under 35 U.S.C. 102(e) as being anticipated by Ohki et al (6529206).

4. Regarding claim 22, Ohki et al show: a computer system operation method for facilitating viewing of a computer generated model of an object on a display (abstract, Summary para 29), the method comprising:

selecting a projection plane for a three dimensional model (Summary para 29, 20, Detailed Descr. para 25, 26. Figure 3); and

displaying a two dimensional visualization of a projection of the model in the projection plane, wherein the projection plane is the plane of the display (Figures 3, 4, 6, Detailed

Descr. para 69, 71, 98, 100). Note the second projection plane in which the projection is generated (Descr. para 69, 71, 98, 100, 122). Note converting the model into the two dimensional visualization (Detailed Descr. para 25-26).

5. Regarding claim 23, the display of the two dimensional visualization is limited to pixel data (Detailed Descr. para 101, Figures 18A-C).

6. Regarding claim 26, Ohki et al show: receiving a projection plane and displaying said two-dimensional visualization in said projection plane are iteratively repeated (Detailed Descr. para 63, 93, 94), and the step of generating the projection of said three-dimensional model in said projection plane includes the step of: receiving an approval for said projection plane; and displaying said three-dimensional model in said projection plane after receiving said approval (Detailed Descr. para 101, 103, 104). Note converting the model into the two dimensional visualization (Detailed Descr. para 25-26).

7. Regarding claim 27, note the step of receiving a selected projection plane includes the step of: providing a manipulator tool button for selecting said projection plane (Detailed Descr. para 25, 103-105).

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 28-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Ohki et al (6529206) and Miller (6229542).

10. Regarding claim 28, in addition to that mentioned for claim 27, Ohki et al do not go into the specific details of the manipulator tool including a plurality of quadrants with each of said plurality of quadrants representing a predetermined number of degrees of rotation in a predetermined direction around an orthogonal axis, such that the step of receiving a selected projection plane includes the step of: receiving a selected one of said plurality of quadrants; and rotating said projection plane said predetermined number of degrees and in said predetermined direction around said orthogonal axis associated with said selected quadrant, but does mention efficient manipulation of projection planes in a three dimensional user interface. Furthermore, Miller does show this (Figures 5, 7, 8, Detailed Descr. para 3, 14, 18) for efficient manipulation of projection planes in a three dimensional user interface. It would have been obvious to a person with ordinary skill in the art to have this in Ohki et al, because it would allow efficient manipulation of projection planes in a three dimensional user interface.

21. Regarding claim 29, the manipulator tool includes a programmable interactive button and wherein the step of displaying said two-dimensional visualization in said projection plane includes the step of: displaying said two-dimensional visualization in said projection plane in response to an activation of the programmable interactive button (Detailed Descr. para 25, 103-105).

22. Regarding claim 30, in addition to that mentioned for claim 28, note in Miller that the rotating about the orthogonal axis uses a user interactive device tracking the circumference of a circle displayed on said computer screen, wherein selecting the interactive device and rotating it in a clockwise or counter-clockwise direction will cause said projection plane to rotate about an axis which is perpendicular to the computer screen (Figures 5, 7, 8, Detailed Descr. para 3, 14, 18). This is done for efficient manipulation of projection planes in a three dimensional user interface. It would have been obvious to a person with ordinary skill in the art to have this in Ohki et al, because it would allow efficient manipulation of projection planes in a three dimensional user interface.

23. Claims 42 and 44 show the same features as claims 26-27 and are rejected for the same reasons.

24. Regarding claim 43, note clicking the cursor positioned over the device to select (detailed descry. para 25).

25. Applicant's arguments filed have been fully considered but they are not persuasive. The projection into the two dimensional plane is converting the model to the two dimensional visualization. Also, there is motivation to combine the references. Both are in fact manipulating three dimensional environment processes into a two dimensional environment, and the motivation for manipulating projection planes in a three dimensional interface efficiently is valid. Applicant is invited to contact Examiner to work out possible claim amendments.

26. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

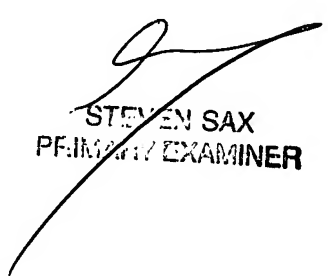
27. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven P. Sax whose telephone number is (571) 272-

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4072. The examiner can normally be reached on Monday thru Friday, 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on (571) 272-4063. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



STEVEN SAX
PRIMARY EXAMINER